



CHAPTER SEVEN

WETLANDS ASSESSMENT

In an effort to gain more comprehensive information on the State's efforts to protect wetlands, EPA requested that the State provide information on the State's wetland resources and protection activities. This information is deemed vital to the efforts to integrate wetlands protection into traditional base water programs.

The information on wetland quality and extent is not generally available, however, whatever information that was available has been incorporated into this report. All previously reported information has been updated where applicable.

The US Army Corps of Engineers and the Environmental Protection Agency jointly define wetlands as "Those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas".

The existing State water quality standards, as adopted on October 29, 1992, define wetlands into three (3) categories:

- (1) Elevated wetlands: means standing water that is always fresh in more or less indistinct basins such as natural bogs, ponds, and marshes. These wetlands are found in undisturbed areas, mainly remote uplands and forest reserves.
- (2) Low wetlands: means standing water that is always fresh in ponds or marshes. These are found in lowland areas near the coast or in valley termini modified by man. Their origin may be natural or man-made.
- (3) Coastal wetlands: means natural or man-made ponds and marshes having variable salinity, basin limits, and permanence. These wetlands usually



adjoin the coastline but are not surface-connected to the ocean except in rare circumstances. They are usually without tidal fluctuations. Most are characterized by introduced biota, especially fishes.

All three (3) categories of the wetlands are classified by the Department as "Inland Waters." The beneficiary uses to be protected for "Inland Waters" are defined in the HAR, Section 11-54-03(b). Discharges into inland waters should meet the requirements as specified in the HAR, Sections 11-54-03(b) (uses to be protected) , 11-54-04 (basic criteria applicable to all waters), 11-54-05 (inland water criteria) and 11-54-08 (specific criteria for recreational areas).

The U.S. Army Corps of Engineers and the Natural Resources Conservation Services are the lead agencies responsible in wetlands delineation. The US Fish and Wildlife Service has not conducted a wetland inventory for the State of Hawaii. Therefore, no estimates of wetland acreages are available for inclusion in this report. The only information concerning wetland acreages provided by the Fish and Wildlife Service shows coastal plains with 15,474 acres (1980) and the upper/middle elevations with 36,328 acres for a total of 51,802 acres. However, upon further questioning, FWS was unable to provide any other information such as how many wetlands there were, where these wetlands were, what the individual wetland acreages were, where the above totals came from, or other information relative to the data. FWS has no plans to do a wetland inventory nor any funding to conduct such an inventory.

WETLAND MONITORING PROGRAM

There currently is no wetland monitoring program in the State of Hawaii. Responsibility for wetlands falls under the jurisdiction of several agencies such as the US Army Corps of Engineers, the US Fish and Wildlife Service, the Natural Resources Conservation Service, State Department of Land and Natural Resources, and the Department of Health. Coordination among these agencies is still being negotiated.



DEVELOPMENT OF WETLAND WATER QUALITY STANDARDS

In July 1990, EPA published guidance on the level of achievement expected by the end of fiscal year 1993 in the development of wetland water quality standards. Water quality standards for wetlands are necessary to ensure that, under the provisions of the Clean Water Act, wetlands are afforded the same level of protection as other waters. Development of wetland water quality standards provides a regulatory basis for a variety of water quality management activities including, but not limited to, monitoring and assessment under Section 305(b), permitting under sections 402 and 404, water quality certification under section 401, and control of nonpoint source pollution under Section 319.

The EPA's "National Guidance on Water Quality Standards for Wetlands (EPA 440/S-90-011, dated July 1990)," specifically reflected the level of achievement that EPA expected the State to accomplish by the end of FY-1993:

- (1) Include wetlands in the definition of "State Waters."
- (2) Designate uses for all wetlands.
- (3) Adopt aesthetic narrative criteria (the "free froms") and appropriate numeric criteria for wetlands.
- (4) Adopt narrative biological criteria for wetlands.
- (5) Apply the State's anti-degradation and implementation methods to wetlands.

The existing State wetlands water quality standards do not fully conform with EPA's national guidance. A Wetlands Water Quality Advisory Committee was formed to accomplish this mission.

Interagency discussions on wetlands planning and policy were initiated by the Department of Health in the early 1990s. However, these discussions were not carried through to the point of obtaining a coherent, consensus-based State-wide wetlands management policy. Through



the federal Clean Water Act, the U. S. Environmental Protection Agency has provided additional funding to the State Department of Health in the form of a grant to fund a 12-month (March, 1998 to February, 1999) contract position for a Wetlands Coordinator. The Wetlands Coordinator will serve as the chairperson for a re-convened interagency workgroup, and will coordinate group meetings, facilitate the participants' efforts, provide documentation and compile the workgroup's findings into a Wetlands Policy and Management Manual. Funds have also been set aside for hiring a professional facilitator to resolve any impasses encountered by the workgroup.

The following table displays the information on the development of State wetland water quality standards.

TABLE 4-12: DEVELOPMENT OF STATE WETLAND WATER QUALITY STANDARDS

	IN PLACE	UNDER DEVELOPMENT	PROPOSED
USE CLASSIFICATION	No	Yes	Yes
NARRATIVE BIOCRITERIA	No	No	No
NUMERIC BIOCRITERIA	No	No	No
ANTIDEGRADATION	No	No	No
IMPLEMENTATION METHOD	No	Yes	Yes

DESIGNATED USES FOR WETLANDS

There have not been any designated uses established for wetlands. This is one of the areas which the Wetlands Water Quality Advisory Committee was to have investigated.

HUMAN HEALTH AND AQUATIC LIFE CRITERIA

There are no existing human health or aquatic life criteria established for wetlands. Consequently, there were no modifications to these criteria for the reporting period as well.

BIOLOGICAL CRITERIA

Limited numerical criteria were established for elevated wetlands. Development of narrative, numerical, and biological criteria are not anticipated any time in the near



**ANTIDEGRADATION
POLICY**

future. This is one of the issues that the Wetlands Water Quality Advisory Committee was to have investigated.

Although state wetlands water quality standards are limited, section 11-54-01.1 of the HAR requires that "...it has been affirmatively demonstrated to the director that the change is justifiable as a result of important economic or social development and will not interfere with or become injurious to any assigned uses made of, or presently in, those waters." All applications for discharges into wetlands are subject to individual review by the Clean Water Branch for compliance of this policy.

STATE WATERS

HAR Chapter 11-54 specifically defines wetlands as waters of the State of Hawaii. It additionally further subdivides wetlands into elevated wetlands, low wetlands or coastal wetlands. This issue was also to have been addressed by the Water Quality Advisory Committee. The Department is in the process of revising the HAR chapter 11-54. In the proposed revisions, the terms "low wetlands", "elevated wetlands" and "coastal wetlands" are further defined and clarified. The classification of wetlands will be defined.

**COORDINATION
AMONG GOVERNMENT
AGENCIES**

The specific functional responsibilities in wetlands protection in the State of Hawaii are divided among the Department of Land and Natural Resources, the Department of Health, the Office of State Planning, the Army Corps of Engineers, the Fish and Wildlife Service and the Natural Resources Conservation Service. There are no formal written agreements between these agencies although verbal working agreements have been followed for several years.

In addition, the Clinton Administration convened an Interagency Working Group on Federal Wetlands Policy whose purpose was to break the deadlock over Federal wetlands policy. Among the participants were the EPA, the Army (Corps of Engineers), the Department of the Interior and the Department of Agriculture. The working group established five principals which served as the framework for a comprehensive package of wetland



reform initiatives. Among the initiatives were those which instituted consistency, reduced duplication and reduced conflicts between the various agencies. The entire package was summarized and documented in a report entitled, "Protecting America's Wetlands: A Fair, Flexible and Effective Approach" and issued on August 24, 1993 by the White House Office on Environmental Policy.

Based on the August 24, 1993 White House Office on Environmental Policy's approach, the Clean Water Branch prepared a statewide "Guidelines for Processing Section 401 Water Quality Certification for the Placement of Dredged/Fill Materials into Wetland" in 1994 to protect precious state wetlands. This is the Department's interim policy in wetlands protection pending the establishment of state wetland water quality standards for better wetlands management. This policy was further modified on April 20, 1995 to better address the issue. Wetlands functions are evaluated on a case-by-case basis, when a Section 401 Water Quality Certification application is received by the Clean Water Branch.

ADDITIONAL WETLANDS PROTECTION ACTIVITIES

This section is designed to update EPA on the State's wetland protection activities and to provide the opportunity to exchange information on achievements and obstacles in protecting our wetland resources.

FEDERAL PERMITS

All Individual, Regional and Nationwide General Permits to be authorized under section 404 of the Clean Water Act, are required to obtain a Water Quality Certification or a waiver issued by DOH under the authorization of section 401 of the Clean Water Act, Section 342D-53 of the Hawaii Revised Statutes (HRS) and HAR, section 11-54-09.1.

Section 401 water quality certification authority also applies to Section 23(b) of the Federal Power Act permit applications. These permit applications and/or proposed project plans are forwarded to the Department of Health, Clean Water Branch where the scope of the project is reviewed to verify compliance with all applicable requirements of HAR Chapter 11-54. HAR Chapter 11-



	<p>54-09.1 administers the Section 401 Water Quality Certification processing.</p> <p>Criteria established in HAR Chapter 11-54 are the fundamental requirements incorporated into all Section 401 Water Quality Certifications or waivers issued by the Department.</p>
STORM WATER RUNOFF	<p>An NPDES permit is required for any storm water discharges into wetlands from any activity or facility as specified in 40 CFR 122.26.</p>
104(b)(3) WETLAND GRANT PROGRAM	<p>In 1996, 104(b)(3) grant funds were utilized by CWB to fund a temporary position in the Permits Section to assist with the processing of Storm Water Permits.</p>
MECHANISM TO PROTECT WETLANDS	<p>Besides the NPDES permitting program (for point source discharges) and Polluted Runoff Control Program (for non-point source discharges), the processing of a section 401 Water Quality Certification application (individual application) or the review and comment of a pre-discharge notification (PDN) or a pre-construction notification (PCN) submitted under the authorization of a Department of the Army (DA), a Regional or Nationwide Permit issued by the U.S. Army Corps of Engineers (COE) is also considered as a viable and effective mechanism for wetlands protection.</p>
SECTION 401 CERTIFICATION ACTIVITY	<p>The following table is provided to summarize the Section 401 certification activity over the past two years.</p>

TABLE F: SECTION 401 CERTIFICATION ACTIVITY OVER THE PAST 2 YEARS

WQC File No	Applicant Name	Project Name	WQC Stat	Wetland Acres
WQC 0000170-950020058	Brown - David H./Annewim K. Brown	Brown Irrigation Project	w/dr w by COE	
WQC 0000171A	State of Hawaii	Honouliwai Fishtrap Restoration Pond	issued	
WQC 0000174-960000053	City and County of Honolulu	Waikalua WWPS Force Main Replacement	approved	
WQC 0000174-960000131	City and County of Honolulu	Waialua Beach Road 12-inch Water Main	waiv by COE	



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WQC File No	Applicant Name	Project Name	WQC Stat	Wetland Acres
WQC 0000174-960000262	Commanding Officer	Marine Corps Base Hawaii construct drainline outlet	waiv by COE	
WQC 0000174-960000341	U.S. Department of the Navy	Barking Sands Underwater Range	waiv by COE	
WQC 0000174-960000391	City and County of Honolulu	Kaalaea WWPS Force Main Replacement	approved	
WQC 0000174-970000219	Molokai Ranch, Limited	Molokai Ranch, Limited Water Transmission Replacement Lines (Manawainui Gulch)	issued	
WQC 0000174-970000319	U.S. Department of the Navy	McGrew Point Housing Area Drainage Improvement Project	waiv by COE	
WQC 0000174-GP95-002	U.S. Department of the Army	Utility Lines In/Under or Above Waters of the U.S., including Navigable Waters, in the State of Hawaii	issued	
WQC 0000225-930020041	County of Maui	Waihee Wells and Transmission System	waiv by COE	
WQC 0000235A-NW93-053	Dunbar, Lance Kip M.	Kainalu Revetment Wall Restoration Project	waived	
WQC 0000239	U S. Coast Guard	Boat House and Fuel Pier Replacement	issued	
WQC 0000241-950020010	City and County of Honolulu	Palolo Chlorinator to Palolo Tunnel. 8-inch water main installation	waived	
WQC 0000243-950020065	Bosa (Hawaii) Corporation	Maui Banyan Phase II Drainage Improvements	issued	
WQC 0000244	Robichaux - David M. Robichaux	Haleiwa Lotus Pond Wetland Clearing and Restoration Project Placement of Concrete Barriers in Wetlands for Lotus Farming	waived	0.23
WQC 0000253-960000085	Maui Ocean Center, Inc.	Maui Ocean Center Project/Sea Water Intake System Construction	issued	
WQC 0000259-950020034	City and County of Honolulu	Maakua Well, Inst. of Pump, Cntrl. Bldg., Transmission Main & Appurtenances	waived	
WQC 0000264-PODCO 95-004	Hualalai Development Company	Hualalai Public Beach Safety Improvements project	issued	
WQC 0000272-950040013	Hilton Hawaiian Village Joint Venture & EnterOcean Group	Hilton Lagoon Project	issued	
WQC 0000273-NW95-050	Gentry Homes, Limited	Waiawa - Gentry Residential Development Project/42 & 36 - Inch	waived	
WQC 0000279-960000080	County of Maui	Kalepa Stream Bridge Replacement Project	waived	
WQC 0000280-950040003	State of Hawaii	Barbers Point Deep Draft Harbor Basin Expansion & Tug Boat	issued	
WQC 0000281-NW93-027	County of Maui	Manawainui Stream Bridge Replacement Project	waived	
WQC 0000285-GP95-003	U.S. Department of the Army	Taro Loi (Fields) Restoration in the State of Hawaii	waiv by COE	
WQC 0000287	State of Hawaii	Huilua Fishpond Restoration & Revitalization Project, Kahana	issued	
WQC 0000289-NW95-040	Maui County	Poopoo Stream Bridge Replacement Construction Project/Gulch Bank Erosion Stabilization	waiv by COE	
WQC 0000290-NW96-002	Hawaii Kai Retirement Residence Limited Partnership	Hawaii Kai Retirement Residence/Kaalakei Valley Drainage	waived	
WQC 0000292-960000092	Maui County	Honoheana Gulch Desilting Basin Construction/Honolua Watershed Protection & Flood Prevention Project	waived	
WQC 0000293-960000083	Maui County	Kaopala Gulch Desilting Basin Construction/Honolua Watershed Protection & Flood Prevention Project	waived	
WQC 0000295-950010081	County of Maui	Kaunakakai Town Storm Drainage System B Improvement Project	waived	
WQC 0000296-950020051	State Department of Transportation	Kaumualii Highway/Kuhio Highway/Rice Street Intersection	issued	
WQC 0000298-GP94-1	U.S. Department of the Army	Fishponds Restoration, Repair, Maintenance & Reconstruction Project	issued	



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WQC File No	Applicant Name	Project Name	WQC Stat	Wetland Acres
WQC 0000299-NW96-010	Coast Valley Companies (properties)	Wailani at Glenwood Access Roadway and Drainage System Infrastructure Improvements Construction project	waived	0.34
WQC 0000301-960000019	State of Hawaii	Kula Water Transmission Main, Phase I	waived	
WQC 0000303-930010052	Gentry Homes, Limited	Ewa by Gentry-East Offsite Drainage Plan	issued	
WQC 0000304-950070003	Molokai Ranch, Limited	Kaunakakai Wetlands Mitigation Plan	waiv by COE	3.9
WQC 0000305-GP96-001	U.S. Department of the Army	Maintenance Clearing of Rivers, Streams, Storm Drains and Beach Areas in the State of Hawaii	issued	
WQC 0000306-960000042	Metro Horizon Incorporated	Welakahao Village Planned Development Project	issued	
WQC 0000307-960000106	City and County of Honolulu	Kaneohe Stream Maintenance Dredging Project	issued	
WQC 0000308-960000030	U.S. Department of the Navy	Bishop Point Boat Ramp Replacement Construction project	waived	
WQC 0000309-960000096	State Department of Transportation	Pookela Street Emergency Bank Repairs & Stabilization Project	waived	
WQC 0000312-960000045	Kauai County	Hoonani Road Bridge Replacement Project	waived	
WQC 0000313-950010110	State of Hawaii	Kaunualii Highway Intersection Improvements Project at Koloa	waived	
WQC 0000314-960000138	U.S. Department of the Navy	Wharf F10 and Wharf M4 Repair	waived	
WQC 0000315	City and County of Honolulu	Palama Area Relief Sewer Project	denied	
WQC 0000316-960000012	U.S. Air Force/15th Civil Engineer Squadron/Hickam AFB	Manuwai Canal Maintenance Clearing/Dredging	issued	
WQC 0000319-950010150	Maui County	Papaahawahawa Gulch Bridge Replacement Project	waived	
WQC 0000320-950010151	Maui County	Kaupakulua Bridge Replacement project	waived	
WQC 0000322-960000073	C. Brewer Homes, Inc.	Waikapu Stream Drainage Outlet	waived	
WQC 0000323-960000154	State Department of Transportation	Farrington Highway Drainage System Improvements	waived	
WQC 0000324-960000212	State Department of Transportation	Kuhio Highway/Waikaea Bridge Widening	issued	
WQC 0000327-960000225	Oshima, Rodney T.	Cedar Home Construction and Farming Activity Wetland Fill	waived	
WQC 0000328-NW95-070	Silver Falls Ranch, Inc.	River Ford Crossing Pohaku Honu Stream Repair Project	waived	
WQC 0000329-950010091	Robert Derrick	Wetland Fill for Construction of House	waived	0.32
WQC 0000330-960000182	Maui County	Front Street Drainline "F" Outlet Improvements Project	waived	
WQC 0000331-960000245	Pacific Atlas (Hawaii), Inc.	Bayview Golf Links Project/Kawa Stream Gaging Stations and	waived	
WQC 0000332-960000222	Maui County	South Kihei Road Intersection Improvements at Keala Pla	waived	
WQC 0000333-960000247	GST Pacwest Telecom Hawaii, Inc.	Hawaiian Island Fiber Network(HI FiberNet)/Submarine Fiber	waived	
WQC 0000334-960000209	U.S. Department of the Marine Corps	Nuupia Ponds Wildlife Management Area Habitat Improvements	issued	
WQC 0000336-960000235	Kapoho Beach Community Association	Kapoho Beach Lots Subdivision/Community Beach Access	denied	
WQC 0000337-960000289	Intech, Inc.	Synthetic Aperture Sonar Tests - Reef Runway Site	waived	
WQC 0000338-960000250	Intech, Inc.	Synthetic Aperture Sonar Tests-Waikiki Site	waived	
WQC 0000339-CW96-001	U.S. Department of the Army	Kahawainui Stream Flood Control Modifications Project	issued	
WQC 0000340-970000032	U.S. Department of the Navy	FY96 MCON Project P-097 Berthing Pier, S8-S9	issued	
WQC 0000344-960020003	U.S. Department of the Air Force	Outdoor Recreation/Marina and Support Facility Exterior	waived	
WQC 0000345-960000218	Manoa Village Homeowner's Association	Manoa Village Stream Embankment Stabilization Wall Project/	waived	
WQC 0000348-960000336	Keawewai Ranch	Keawewai Ranch Watershed Development	waived	



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WQC File No	Applicant Name	Project Name	WQC Stat	Wetland Acres
WQC 0000356-970000033	Hawaii Tropical Botanical Garden	Onomea Steam removal of dams and install siphon	waived	
WQC 0000357-960000368	City and County of Honolulu	Maililili Jetty Repairs	waived	
WQC 0000358-970000018	State of Hawaii	Honoapiilani Highway Widening	waived	
WQC 0000359-970000047	County of Maui	Ohiapilo Pond Wetland Enhancement	issued	
WQC 0000360-960000086	Davis, Allen V. C.	Davis - Allen V. C. Davis	waived	
WQC 0000362-950010147	Sutton - Len Sutton	Kulaniapia Hydro Power Facility	waived	
WQC 0000363-970000129	Commanding Officer/Pearl Harbor Naval Shipyard	Keel Blocks For Erosion Control, installation	waived	
WQC 0000365-970000236	State of Hawaii	Pier 51A erosion repair, Job H.C. 1944	waived	
WQC 0000367-970000049	Hone Heke Corporation dba Expeditions	Ferry Terminal Manele Bay Pier	waived	
WQC 0000368-970000139	U.S. Geological Survey	Kohakohau Streamgaging Station	waived	
WQC 0000369-970000184	U.S. Department of the Navy, Fleet Industrial Supply Center	Wharf H5 and Wharf K12 repairs	waived	
WQC 0000370-970000162	State of Hawaii	Pier 15 Improvements, Honolulu Harbor, Oahu Job H.C. 1907	issued	
WQC 0000372-970000181	Kulamalu Limited Partnership	Kamehameha School Maui Campus Driveway	waived	
WQC 0000373-970000245	Nam - Mr. & Mrs. Harry Nam	Nam Subdivision - Subdivision of Lot 60 of Waimanalo Farm Lots, Construction of Ford Road Crossing at Kahawai Stream	waived	
WQC 0000375-970000291	U.S. Geological Survey	Limahuli Stream Crest-Stage Gages	issued	
WQC 0000376-970000134	Voyager Submarines Hawaii	Voyager Submarines Hawaii, Artificial Reef Installation	issued	
WQC 0000378-970000248	State of Hawaii	Interstate Route H-3 Drainage Improvements Relining of Twin 132" Culvert at Kamooalii Branch	waived	
WQC 0000380-970000130	Finn - W.E. Finn	White Plains Beach Security Fence Re-Installation	waived	
WQC 0000381-970000127	Luana Hills Country Club	Luana Hills Country Club Installation of Temporary Weirs on Makawao Stream	waived	
WQC AA00305	City and County of Honolulu	Ahinalu Ditch, Kaipapau, Stream Mouth Opening	issued	
WQC AB00305-970000255	City and County of Honolulu	Ewa Beach Drain Outlet, Stream Mouth Opening	issued	
WQC AC00305	City and County of Honolulu	Hanohano Stream, Stream Mouth Opening	issued	
WQC AD00305-970000356	City and County of Honolulu	Hauula Stream, Stream Mouth Opening	issued	
WQC AE00305	City and County of Honolulu	Kaaawa Park Ditch, Stream Mouth Opening	issued	
WQC AF00305	City and County of Honolulu	Kaaawa Stream, Stream Mouth Opening	issued	
WQC AG00305-970000256	City and County of Honolulu	Kaelepulu Stream, Stream Mouth Opening	issued	
WQC AI00305	City and County of Honolulu	Kalaeio Stream, Stream Mouth Opening	issued	
WQC AJ00305	City and County of Honolulu	Kaluanui Stream, Stream Mouth Opening	issued	
WQC AL00305-970000257	City and County of Honolulu	Kapakahi Stream, Waialae, Stream Mouth Opening	issued	
WQC AN00305	City and County of Honolulu	Laie Stream, Laie, Stream Mouth Opening	issued	
WQC AO00305-970000358	City and County of Honolulu	Laieloa Stream, Laie, Stream Mouth Opening	issued	
WQC AP00305	City and County of Honolulu	Laiemaloo Stream, Laie, Stream Mouth Opening	issued	



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WQC File No	Applicant Name	Project Name	WQC Stat	Wetland Acres
WQC AQ00305-970000357	City and County of Honolulu	Laiewai Stream, Laie, Stream Mouth Opening	issued	
WQC AR00305	City and County of Honolulu	Lau Place Outlet, Makaua-Kai, Stream Mouth Opening	issued	
WQC AS00305	City and County of Honolulu	Lokoea Stream, Haleiwa, Stream Mouth Opening	issued	
WQC AT00305-970000360	City and County of Honolulu	Maakua Stream, Hauula, Stream Mouth Opening	issued	
WQC AU00305-970000359	City and County of Honolulu	Maheiwai Stream, Makao, Stream Mouth Opening	issued	
WQC AV00305-970000258	City and County of Honolulu	Maili Channel Outlet, Maili, Stream Mouth Opening	issued	
WQC AX00305	City and County of Honolulu	Punaluu Stream Branch South at the Punaluu Beach Paark, Stream Mouth Opening	issued	
WQC AY00305-980000115	City and County of Honolulu	Nanakuli Stream, Nanakuli, Stream Mouth Opening	issued	
WQC AZ00305-970000259	City and County of Honolulu	Niu Stream, Niu, Stream Mouth Opening	issued	
WQC BB00305	City and County of Honolulu	Paumalu Stream, Stream Mouth Opening	issued	
WQC BC00305-980000004	City and County of Honolulu	Pokai Bay Ditch OUTlet, Stream Mouth Opening	issued	
WQC BD00305	City and County of Honolulu	Punaluu Valley Road Ditch, Stream Mouth Opening	issued	
WQC BE00305	City and County of Honolulu	Punaluu Stream Branch, Stream Mouth Opening	issued	
WQC BF00305-970000260	City and County of Honolulu	Ulehawa Channel Outlet, Stream Mouth Opening	issued	
WQC BG00305-970000261	City and County of Honolulu	Waialae Drainage Channel, Stream Mouth Opening	issued	
WQC BH00305-970000262	City and County of Honolulu	Waimea Stream, Stream Mouth Opening	issued	
WQC BJ00305-970000362	City and County of Honolulu	Waipuhi Stream, Stream Mouth Opening	issued	
WQC BK00305-970000151	City and County of Honolulu (also State DOT / Mokuleia Land Company)	Makaleha Stream, Maintenance Clearing	issued	
WQC BI00305-970000361	City and County of Honolulu	Waipilopilo Stream, Stream Mouth Opening	issued	
WQC BN00305-970000273	City and County of Honolulu	Honolulu Country Club removing vegetation, silt and sediment from waterway	issued	